EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1970	69.9	168.2	170.2	228.9	144.3	152.3	81.8	71.2	100.2
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.3	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.6	223.5	117.8	165.8	74.4	67.6	106.7
1980	64.6	139.6	157.5	213.8	107.6	138.7	72.9	67.8	92.9
1980									
December.	63.9	138.4	155.9	210.4	106.0	139.3	71.1	67.9	92.2
1981									
January .	62.7	138.9	151.9	209.0	105.6	135.0	69.9	67.2	91.2
February.	62.9	137.9	152.5	209.9	104.6	133.4	69.6	67.0	90.2
March ...	62.9	139.1	154.9	209.9	103.6	141.2	69.2	67.0	90.2
April ...	63.1	141.5	156.6	209.7	105.0	142.1	68.9	66.7	91.2
May	63.5	141.0	157.0	208.8	105.7	141.4	68.7	66.6	91.1
June	64.1	142.1	157.9	209.0	105.3	141.8	69.8	66.8	90.5
July	63.2	140.0	156.7	206.9	105.7	137.1	69.4	67.1	89.1
August ..	64.0	140.5	159.4	204.1	106.6	139.0	71.8	67.1	88.9
September	63.7	141.6	156.2	206.2	107.5	138.0	73.9	67.3	89.7
October .	62.1	138.1	154.5	204.0	105.5	135.6	70.5	67.4	88.5
November.	61.6	135.1	152.4	200.4	103.5	131.5	69.3	66.9	87.4
December.	60.1	127.0	148.7	199.9	100.5	117.5	69.4	66.7	85.7
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1970	$146.89	$162.41	$161.16	$160.63	$149.11	$175.09	$152.31	$163.51	$153.54
1971	162.86	177.36	173.40	169.33	159.20	198.55	169.49	173.82	162.80
1972	175.14	204.61	187.87	179.46	164.42	219.99	179.43	187.21	180.48
1973	189.09	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.09	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.46	234.25	201.30	263.72	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	324.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	299.34	395.43	329.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.49	422.01	349.34	352.77	316.31	414.89	329.85	320.92	323.61
1980									
December.	344.00	476.43	388.44	387.82	348.20	481.57	351.51	346.71	365.01
1981									
January .	334.35	463.56	379.61	377.10	341.07	450.34	352.79	336.99	358.11
February.	330.86	468.54	378.01	377.73	343.48	436.30	351.51	324.69	355.37
March ...	334.14	477.25	380.19	382.39	349.32	447.04	347.24	329.12	367.84
April ...	337.77	495.76	387.73	379.35	354.24	457.19	353.83	337.42	370.71
May	345.24	488.64	394.15	386.46	352.92	466.35	364.50	344.42	366.80
June	348.02	496.69	399.29	392.29	356.59	488.62	357.62	348.91	375.84
July	349.57	486.38	384.71	387.57	353.76	465.09	360.91	346.94	363.69
August ..	353.42	485.48	387.09	392.35	364.67	488.92	361.84	351.16	372.69
September	360.14	504.00	384.40	391.14	364.50	476.63	378.88	364.09	359.96
October .	356.65	475.61	390.98	393.72	366.99	477.02	368.33	356.45	374.54
November.	361.97	488.09	391.78	402.82	369.15	476.10	378.84	363.65	371.08
December.	358.16	491.67	390.91	404.21	366.02	479.29	380.94	372.01	379.96

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	4541.9	4546.1	4420.1	- .9	- 1.8
MANUFACTURING	1184.8	1217.0	1253.2	- 2.7	- 5.5
Durable Goods[e]	810.3	840.0	874.7	- 3.7	- 6.8
Lumber and wood products	12.0	12.2	12.3	- 1.4	- .5
Furniture and fixtures	14.4	14.9	14.9	- 4.4	- 3.3
Household furniture	6.5	6.6	6.6	- 12.1	- .6
Stone, clay, and glass products	60.1	61.6	61.5	- 2.4	- 5.0
Glass and glassware, pressed or blown	14.8	14.9	15.2	- .9	- 2.9
Structural clay products	5.8	6.1	6.6	- 5.5	- 11.8
Pottery and related products	6.4	6.5	7.1	- 2.8	- 10.3
Primary metal industries	127.5	135.1	138.4	- 6.0	- 8.2
Blast furnace and basic steel products	68.6	70.0	70.7	- 2.0	- 3.0
Iron and steel foundries	21.8	27.3	28.5	- 20.3	- 23.6
Nonferrous rolling and drawing	19.3	19.3	21.1	- 2.8	- 8.6
Nonferrous foundries	9.7	9.9	9.8	- 2.2	- 3.0
Fabricated metal products	149.7	152.6	156.3	- 2.4	- 4.2
Cutlery, hand tools, and hardware	12.8	13.4	14.2	- 4.4	- 10.0
Plumbing and heating, except electric	5.4	5.7	5.7	- 6.0	- 6.0
Fabricated structural metal products	34.3	35.2	37.4	- 1.2	- 6.5
Screw machine products, bolts, etc.	10.8	11.6	10.4	- 1.6	4.3
Metal forgings and stampings	40.1	42.1	43.0	- 4.7	- 6.9
Machinery, except electrical	199.9	200.4	210.4	- .3	- 5.0
Construction and related machinery	26.4	25.9	26.5	.5	- .6
Metalworking machinery	53.6	54.3	57.1	- .5	- 5.7
Special industry machinery	32.1	32.3	35.9	- .7	- 7.6
General industrial machinery	37.1	37.4	39.0	- 1.0	- 4.8
Electric and electronic equipment	103.7	103.5	106.0	- 2.9	- 5.2
Electrical industrial apparatus	24.2	24.0	24.5	- .6	- 1.8
Household appliances	19.7	20.3	20.2	- 7.4	- 4.8
Electric lighting and wiring equipment	19.1	19.1	20.2	- 2.6	- 5.8
Communication equipment	11.6	11.6	12.4	- .3	- 5.6
Transportation equipment	117.5	131.2	139.2	- 10.7	- 15.6
Motor vehicles and equipment	77.7	89.6	91.0	- 15.4	- 20.1
Aircraft and parts	36.2	36.1	38.9	- .1	- 7.0
Instruments and related products	20.3	20.7	20.3	- 1.1	1.1
Measuring and controlling devices	12.2	12.4	12.3	- 1.6	- .6
Nondurable Goods[f]	368.7	370.9	378.6	- .6	- 2.6
Food and kindred products	69.4	69.3	71.1	.1	- 2.4
Meat products	11.3	11.5	12.1	1.0	- 4.5
Dairy products	11.5	11.4	12.0	.1	- 3.9
Bakery products	11.0	11.0	11.6	- .8	- 5.8
Beverages	10.9	10.9	10.9	.6	- .1
Textile mill products	4.9	5.0	5.1	- 2.5	- 3.7
Apparel and other textile products	17.1	17.4	16.7	- 1.5	2.3
Paper and allied products	38.3	38.5	39.1	- .5	- 2.0
Paper mills, except building paper	10.1	10.0	10.1	.2	- .6
Misc. converted paper products	11.8	11.9	11.7	- .8	.7
Paperboard containers and boxes	12.3	13.0	13.7	- .7	- 5.7
Printing and publishing	66.7	66.9	67.3	- .3	- .9
Newspapers	19.8	19.8	19.9	- .1	- .5
Commercial printing	25.6	25.9	26.4	- .9	- 3.0
Chemicals and allied products	68.3	68.0	68.1	.4	.3
Industrial inorganic chemicals	13.3	13.3	13.0	.0	1.9
Plastics materials and synthetics	9.6	9.4	9.7	2.5	- .4
Petroleum and coal products	12.7	12.7	13.5	.0	- 5.9
Rubber and misc. plastics products	85.7	87.4	92.2	- 1.9	- 7.0
Tires and inner tubes	23.5	23.5	25.9	- .1	- 9.3
Miscellaneous plastics products	42.2	43.3	45.6	- 2.6	- 7.4
Leather and leather products	5.5	5.5	5.4	- 1.2	1.4

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[A]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[B]	November 1981[C]	December 1980[C]	Dec. 1981[B]	Nov. 1981[C]	Dec. 1980[C]	Dec. 1981[B]	Nov. 1981[C]	Dec. 1980[C]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$[illegible]	$[illegible]	$[illegible]	[illegible]	[illegible]	[illegible]	$ [illegible]	$ [illegible]	$ [illegible]
Durable Goods[D]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lumber and wood products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Household furniture	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay, and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Structural clay products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pottery and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnaces and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous rolling and drawing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cutlery, hand tools, and hardware	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Plumbing and heating, except electric	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Household appliances	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric lighting and wiring equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aircraft and parts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods[D]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Meat products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dairy products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bakery products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Textile mill products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper mills, except building paper	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Misc. converted paper products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paperboard containers and boxes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Newspapers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Commercial printing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Industrial inorganic chemicals	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Plastics materials and synthetics	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Petroleum and coal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tires and inner tubes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Miscellaneous plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Leather and leather products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
DECEMBER 1981 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
NONMANUFACTURING	3157.7	3162.3	3166.8	- .1	- .3
MINING	31.0	31.4	31.0	- 1.2	.1
Bituminous coal and lignite mining	14.9	15.0	15.6	- .4	- 4.3
CONSTRUCTION	163.2	175.7	174.6	- 7.1	- 6.6
General building contractors	41.4	43.5	45.1	- 4.9	- 8.2
Heavy construction contractors	22.3	26.1	23.2	- 14.3	- 3.8
TRANSPORTATION AND PUBLIC UTILITIES	221.1	221.1	224.0	.0	- 1.3
Railroad transportation	27.6	27.7	28.9	- .2	- 4.2
Transportation, except railroads	98.3	98.3	100.6	.0	- 2.3
Trucking and warehousing	74.8	74.7	76.6	.2	- 2.3
Communication, electric, gas services	95.2	95.2	94.5	.0	.7
Communication	54.4	54.4	53.9	- .1	.9
Electric, gas, and sanitary services	40.8	40.7	40.6	.3	.5
WHOLESALE TRADE	227.9	227.9	228.9	.0	- .4
Wholesale trade-durable goods	146.2	146.2	147.5	.0	- .9
Motor vehicles & automotive equipment	19.6	19.6	20.9	- .2	- 6.3
Electrical goods	18.8	18.7	18.8	.6	- .1
Machinery, equipment, and supplies	63.6	63.4	62.5	.3	1.7
Wholesale trade-nondurable goods	81.7	81.7	81.4	.0	.4
Groceries and related products	23.8	23.7	23.6	.2	.9
RETAIL TRADE	760.7	749.1	766.3	1.5	- .7
General merchandise stores	132.3	125.3	140.4	5.5	- 5.8
Department stores	121.6	115.1	128.8	5.6	- 5.6
Food stores	121.7	120.7	121.2	.9	.4
Automotive dealers & service stations	72.6	73.2	76.8	- .8	- 5.5
Apparel and accessory stores	39.7	37.5	40.1	5.9	- .3
FINANCE, INSURANCE, AND REAL ESTATE	209.5	208.7	207.2	.4	1.1
Banking	59.1	59.0	59.1	.2	.0
Credit agencies other than banks	30.8	30.5	31.0	.7	- .6
Insurance carriers	59.6	59.4	58.9	.3	1.1
SERVICES	858.5	862.7	830.9	- .5	3.3
Hotels and other lodging places	29.5	29.9	30.3	- 1.4	- 2.6
Laundry, cleaning, & gar ent services	17.6	17.8	17.9	- 1.0	- 1.8
Business services	125.0	125.5	121.9	- .4	2.5
Health services	301.6	300.8	286.0	.2	5.4
Hospitals	167.9	167.1	160.6	.4	4.5
GOVERNMENT	685.8	685.7	703.9	.0	- 2.6
Federal government	88.3	88.2	89.7	.1	- 1.6
State government	145.4	146.5	149.6	- .7	- 2.8
State government, except education	70.9	70.7	71.9	.3	- 1.3
State government education	74.5	75.8	77.8	- 1.7	- 4.2
Local government	452.1	451.0	464.6	.2	- 2.7
Local government, except education	184.1	184.8	193.1	- .4	- 4.7
Local government education	268.0	266.2	271.4	.7	- 1.2

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
DECEMBER 1981 (Continued)

Industry	Average weekly Earnings			Average weekly Hours			Average hourly Earnings		
	December 1980[b]	November 1981[c]	December 1981[c]	Dec. 1980[b]	Nov. 1981[c]	Dec. 1981[c]	Dec. 1980[b]	Nov. 1981[c]	Dec. 1981[c]
MANUFACTURING	.....	.....	.....	....	....	....	.....	.....	.....
MINING	$461.22	$451.20	$427.45	43.8	43.2	40.6	$10.53	$10.44	$ 10.53
Bituminous coal and lignite mining	449.9	390.80	408.58	43.5	39.4	41.8	10.34	9.92	9.77
CONSTRUCTION	383.1	370.36	380.29	37.1	37.4	36.1	14.07	14.11	14.36
General building contractors	385.1	370.80	387.54	34.4	36.3	36.1	15.00	14.72	14.98
Heavy construction contractors	382.9	368.76	368.47	38.2	37.9	40.1	13.54	13.84	13.77
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Railroad transportation	.....	.....	.....	....	....	....	.....	.....	.....
Transportation, except railroad	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and warehousing	385.98	384.98	415.32	41.6	38.5	39.9	10.00	11....	10....
Communication, electric, and services	419.1	423.06	399.79	40.7	40.4	40.1	10.15	10....	9....
Communication	411.1	414.78	390.00	39.6	39.1	40.9	10....	10....	9....
Electric, gas, and sanitary services	433.0	435.11	409.80	41.2	41.4	41.2	10....	10....	9....
WHOLESALE TRADE	347....	345.31	340.10	44.1	44.0	39.9	7....	7....	7....
Wholesale trade-durable goods	371....	381.76	365.06	44.1	45.3	39.7	7....	7....	7....
Motor vehicles & automotive equipment	376.68	395.41	377.90	44.0	46.4	41.2	7....	7....	7....
Electrical goods	350.51	351.34	334.24	43.1	43.8	38.4	8....	8....	8....
Machinery, equipment, and supplies	379.19	377.17	346.62	46.3	44.4	39.6	8....	8....	8.44
Wholesale trade-nondurable goods	317....	319.08	291.04	44.0	43.7	40.6	8....	8....	7.56
Groceries and related products	342....	346.50	329.01	47.5	47.0	43.7	8....	8....	7.59
RETAIL TRADE[f]	154....	152.48	146.90	29.7	29.1	30.1	5....	5....	4.88
General merchandise stores	210....	196.45	185....	41.1	39.5	41.4	4.99	5....	4.64
Department stores	230....	197....	187....	41.1	39.5	41.4	5.04	5....	4.69
Food stores	230....	230.07	228.43	41.9	41.8	39.2	7....	7....	6....
Automotive dealers & service stations	199....	197.47	193.90	37.5	37.4	37.5	5.30	5....	5.17
General and accessory stores	215.07	214.24	113.97	36.4	36.9	25.4	4.09	4....	3.93
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	190.74	189.08	218.37	....	....	....	....	....	....
Credit agencies other than banks	194.49	194.09	180.55	....	....	....	....	....	....
Insurance carriers	281.1	302.20	29.01	....	....	....	....	....	....
SERVICES	.....	...	.....	....	....	....	....	....	....
Hotels and other lodging places	.....	.....	.....	....	....	....	....	....	....
Laundry, cleaning, & garment services	.....	.....	.....	....	....	....	....	....	....
Business services	.....	.....	.....	....	....	....	....	....	....
Health services	.....	.....	.....	....	....	....	....	....	....
Hospitals	244.30	246.28	219.64	33.6	33.6	34.0	....	7.33	6.46
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes miscellaneous manufacturing. [e]Includes tobacco manufactures. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	259.3	259.5	263.7	- .2	- 1.8
MANUFACTURING	74.4	74.9	77.8	- .7	- 4.3
Durable Goods[e]	37.6	38.0	38.3	- .8	1.6
Stone, clay, and glass products	2.0	2.0	2.0	.3	- .2
Fabricated metal products	14.0	14.3	15.1	- 1.6	- 7.0
Machinery, except electrical	11.3	11.3	11.3	- .2	.0
Special industry machinery	2.2	2.2	2.4	.3	- 6.6
Nondurable Goods[f]	36.8	36.9	39.5	- .5	- 7.0
Food and kindred products	2.4	2.4	2.9	- 1.3	- 16.5
Chemicals and allied products	3.6	3.6	3.5	- .1	3.7
Rubber and misc. plastics products	25.5	25.6	28.0	- .6	- 9.1
Tires and inner tubes	19.4	19.4	21.8	- .1	- 11.2
NONMANUFACTURING[g]	184.6	184.6	185.9	.0	- .7
CONSTRUCTION	7.3	8.1	7.7	- 9.0	- 4.5
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.7	13.9	- .6	- 2.2
Communication, electric gas services	5.4	5.4	5.4	.1	1.8
WHOLESALE TRADE	11.9	11.8	11.8	.3	.4
RETAIL TRADE	45.7	44.9	46.6	1.7	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	9.0	9.0	9.3	.2	- 2.6
SERVICES	51.4	51.5	49.8	- .3	3.3
GOVERNMENT	45.2	45.1	46.4	.2	- 2.6
State government (includes education)	14.4	14.4	14.7	.4	- 2.0
Local government (includes education)	28.7	28.7	29.6	.2	- 3.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$413.72	$404.21	$398.88	42.2	41.5	42.5	$ 9.78	$ 9.74	$ 9.15
Durable Goods[d]	408.74	399.18	376.37	42.8	41.9	42.1	9.55	9.52	8.94
Stone, clay, and glass products	370.30	372.86	357.30	41.7	41.8	43.1	8.88	8.92	8.29
Fabricated metal products	408.20	379.42	364.60	42.3	39.4	38.5	9.65	9.63	9.47
Machinery, except electrical	415.09	407.45	384.65	44.3	43.3	45.2	9.37	9.41	8.51
Special industry machinery	377.15	372.34	353.33	43.4	42.7	43.3	8.69	8.72	8.16
Nondurable Goods[e]	417.31	417.58	404.28	41.4	41.8	43.1	10.08	9.99	9.38
Food and kindred products	424.55	413.95	395.63	46.5	46.2	46.6	9.13	8.96	8.49
Chemicals and allied products	389.91	399.75	399.05	40.2	41.0	43.9	9.55	9.75	9.09
Rubber and misc. plastics products	442.88	442.23	419.58	41.9	42.4	43.3	10.57	10.43	9.69
Tires and inner tubes	538.70	549.40	490.80	43.2	44.0	43.9	12.47	12.35	11.18
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	492.32	539.92	500.64	37.1	39.7	38.6	13.27	13.60	12.97
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	411.68	412.90	380.30	40.4	40.6	40.5	10.19	10.17	9.39
WHOLESALE TRADE	282.34	281.62	277.22	38.0	37.6	39.1	7.43	7.49	7.09
RETAIL TRADE[f]	177.37	173.35	162.86	30.9	30.2	31.2	5.74	5.74	5.22
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	196.2	196.0	196.3	.1	- .1
MANUFACTURING	54.6	54.8	54.5	- .4	.1
Durable Goods[e]	42.9	43.1	42.4	- .4	1.0
Stone, clay, and glass products	2.3	2.3	2.2	- .7	5.7
Primary metal industries	13.6	13.7	13.6	- 1.2	- .4
Fabricated metal products	9.5	9.3	9.7	2.1	- 1.7
Fabricated structural metal products	3.4	3.5	3.7	- .3	- 6.8
Metal forgings and stampings	2.8	2.5	2.7	9.5	2.5
Nondurable Goods[f]	11.7	11.8	12.1	- .5	- 3.0
Food and kindred products	4.3	4.2	4.3	1.8	- .2
Rubber and misc. plastics products	3.0	3.0	3.1	- .9	- 3.7
NONMANUFACTURING[g]	101.6	101.2	101.8	.4	- .2
CONSTRUCTION	5.0	5.3	5.5	- 5.6	- 8.2
TRANSPORTATION AND PUBLIC UTILITIES[h]	7.3	7.2	7.0	.4	3.0
Communication, electric, gas services	3.1	3.1	3.0	.0	2.2
WHOLESALE TRADE	7.1	7.1	7.1	.1	- .5
RETAIL TRADE	26.4	26.0	26.6	1.5	- .4
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.3	.3	1.2
SERVICES	29.7	29.8	28.9	- .4	2.7
GOVERNMENT	18.7	18.3	19.2	1.9	- 2.7
Local government (includes education)	15.5	15.2	15.9	2.0	- 2.5

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$404.00	$398.40	$375.92	40.0	39.6	40.4	$10.10	$10.01	$ 9.29
Durable Goods[d]	411.29	403.22	382.85	39.7	39.3	40.3	10.36	10.26	9.50
Stone, clay, and glass products	272.89	269.12	249.36	41.4	40.9	40.9	6.59	6.58	5.95
Primary metal industries	457.38	452.54	449.12	37.8	37.4	40.1	12.10	12.10	11.20
Fabricated metal products	406.61	421.30	399.27	39.4	40.2	40.7	10.32	10.48	9.81
Fabricated structural metal products	421.28	464.98	399.96	42.9	45.1	37.9	9.82	10.31	8.97
Metal forgings and stampings	474.96	488.42	506.48	40.2	40.6	43.7	11.80	12.03	11.59
Nondurable Goods[e]	376.82	375.65	348.12	41.5	41.6	41.1	9.08	9.03	8.47
Food and kindred products	446.22	443.41	405.74	42.7	42.8	41.7	10.45	10.36	9.73
Rubber and misc. plastics products	365.41	372.73	340.76	44.4	45.4	43.8	8.23	8.21	7.78
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	486.40	519.00	456.09	35.4	37.5	36.4	13.74	13.84	12.53
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	422.10	422.10	391.98	41.1	41.1	41.7	10.27	10.27	9.40
WHOLESALE TRADE	299.43	284.10	271.75	40.3	38.6	39.1	7.43	7.36	6.95
RETAIL TRADE[f]	148.90	145.50	139.97	29.9	29.1	30.1	4.96	5.00	4.65
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	608.5	609.4	610.6	- .1	- .3
MANUFACTURING	161.0	162.0	163.8	- .6	- 1.7
Durable Goods[e]	89.1	90.1	91.8	- 1.1	- 2.9
Furniture and fixtures	2.4	2.4	2.7	.2	- 8.4
Primary metal industries	2.5	2.5	2.2	1.4	14.2
Fabricated metal products	14.2	14.4	15.1	- 1.0	- 6.1
Fabricated structural metal products	5.0	5.0	5.5	- 1.5	- 10.6
Machinery, except electrical	26.0	25.9	26.3	.3	- 1.0
Metalworking machinery	13.2	13.3	13.5	- .7	- 2.1
General industrial machinery	3.9	3.7	4.1	- .9	- 5.3
Electric and electronic equipment	9.1	9.2	8.9	- .9	2.4
Transportation equipment	23.3	24.2	25.5	- 3.1	- 8.1
Motor vehicles and equipment	8.1	8.8	9.0	- 8.7	- 10.3
Nondurable Goods[f]	71.9	71.8	72.0	.1	- .1
Food and kindred products	16.6	16.6	16.3	.3	2.0
Meat products	2.1	2.1	2.3	.0	- 8.4
Bakery products	2.5	2.5	2.4	.4	4.4
Beverages	5.5	5.4	5.0	1.8	10.4
Apparel and other textile products	4.5	4.5	4.1	.5	10.6
Paper and allied products	7.2	7.2	7.4	- .2	- 2.2
Printing and publishing	12.2	12.2	12.5	- .3	- 3.1
Chemicals and allied products	22.6	22.6	22.5	.1	.7
Rubber and misc. plastics products	4.6	4.5	4.8	1.0	- 4.3
NONMANUFACTURING[g]	447.5	447.4	446.8	.0	.2
CONSTRUCTION	24.7	26.0	26.0	- 4.9	- 4.9
TRANSPORTATION AND PUBLIC UTILITIES	33.3	33.4	34.0	- .3	- 1.8
Communication, electric, gas services	14.1	14.1	14.1	.1	.1
WHOLESALE TRADE	39.2	39.1	38.7	.4	1.5
RETAIL TRADE	106.7	105.2	107.2	1.4	- .5
FINANCE, INSURANCE, AND REAL ESTATE	33.7	33.6	33.4	.4	1.0
Banking	7.4	7.3	7.4	.7	- .7
Insurance carriers	11.7	11.7	11.6	.0	.9
SERVICES	125.4	126.6	121.6	- .1	3.2
GOVERNMENT	84.0	84.2	85.6	- .2	- 1.9
Federal government	12.6	12.7	12.8	- .9	- 1.5
State government (includes education)	18.6	18.5	19.2	.9	- 3.0
Local government	52.8	53.0	53.6	- .4	- 1.5
Local government, except education	21.6	21.8	22.4	- 1.1	- 3.7
Local government education	31.3	31.2	31.3	.1	.0

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$372.19	$378.23	$362.35	41.2	41.0	42.6	$ 9.05	$ 9.09	$ 8.52
Durable Goods[d]	368.05	366.37	369.31	41.4	40.9	43.2	8.89	8.96	8.41
Furniture and fixtures	261.36	263.15	244.78	37.6	37.7	37.6	6.95	6.98	6.51
Primary metal industries	336.02	320.83	332.48	39.3	38.2	39.3	8.55	8.40	8.46
Fabricated metal products	363.74	366.13	348.08	41.1	40.7	42.5	8.85	8.75	8.19
Fabricated structural metal products	341.99	333.91	337.76	43.4	42.7	45.4	7.88	7.82	7.44
Machinery, except electrical	364.17	348.91	330.93	42.1	41.0	42.7	8.65	8.51	7.75
Metalworking machinery	391.28	380.18	365.33	42.3	41.1	43.7	9.25	9.25	8.36
General industrial machinery	348.31	334.40	307.22	40.5	40.0	42.2	8.61	8.36	7.28
Electric and electronic equipment	291.72	288.55	265.28	40.8	40.3	40.5	7.15	7.16	6.55
Transportation equipment	482.05	482.16	517.31	42.1	42.0	47.2	11.45	11.48	10.96
Motor vehicles and equipment	534.25	517.79	628.16	42.1	40.9	52.0	12.69	12.66	12.08
Nondurable Goods[e]	378.84	378.84	361.15	41.0	41.0	41.8	9.24	9.24	8.64
Food and kindred products	430.61	434.10	417.21	41.8	41.7	43.1	10.45	10.41	9.68
Meat products	519.01	520.12	462.41	46.8	46.9	49.5	11.09	11.09	10.63
Bakery products	338.18	331.02	334.67	43.0	42.0	44.9	9.26	9.31	8.79
Beverages	368.34	364.99	366.49	39.2	39.2	41.5	9.32	9.31	8.59
Apparel and other textile products	226.00	216.72	201.74	38.5	38.7	38.5	5.87	5.60	5.24
Paper and allied products	324.12	335.02	308.10	41.5	42.3	41.3	7.81	7.92	7.46
Printing and publishing	380.40	371.50	348.16	40.0	38.9	38.9	9.51	9.55	8.95
Chemicals and allied products	416.30	421.64	402.12	41.3	41.5	43.1	10.08	10.16	9.33
Rubber and misc. plastics products	306.45	318.32	329.38	41.3	42.9	43.8	7.42	7.42	7.52
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	526.32	536.20	496.91	38.1	38.3	38.7	13.89	14.00	12.84
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	380.89	388.09	346.82	38.9	39.4	39.1	9.79	9.85	8.87
WHOLESALE TRADE	308.90	299.93	291.80	39.3	38.7	39.7	7.86	7.75	7.35
RETAIL TRADE[f]	155.09	156.34	149.88	31.2	30.7	30.1	4.97	5.06	4.78
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	194.96	194.34	176.86	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [g]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	891.9	897.1	907.1	- .6	- 1.7
MANUFACTURING	241.1	248.0	253.6	- 2.8	- 4.9
Durable Goods[e]	174.2	180.6	186.5	- 3.6	- 6.6
Furniture and fixtures	2.4	2.4	2.5	4.0	- 1.1
Primary metal industries	25.2	28.9	28.7	- 12.9	- 12.0
Blast furnace and basic steel products	14.3	14.6	14.9	- 1.8	- 3.7
Iron and steel foundries	3.1	6.6	6.1	- 52.5	- 48.6
Nonferrous foundries	3.0	2.9	2.8	3.2	5.6
Fabricated metal products	38.0	39.0	39.1	- 2.8	- 2.9
Fabricated structural metal products	4.2	4.2	4.1	- .4	.3
Screw machine products, bolts, etc.	6.3	6.3	6.0	.4	6.0
Metal forgings and stampings	13.3	14.4	14.2	- 7.5	- 6.2
Machinery, except electrical	46.6	46.4	48.9	.4	- 4.7
Construction and related machinery	8.2	7.9	8.6	3.0	- 4.9
Metalworking machinery	16.3	16.3	17.6	- .1	- 7.3
Special industry machinery	4.1	4.2	4.7	- .6	- 11.9
General industrial machinery	4.1	4.0	4.0	.8	1.4
Electric and electronic equipment	25.0	25.0	24.7	.1	1.1
Electrical industrial apparatus	8.9	9.0	9.2	- .5	- 2.4
Transportation equipment	21.0	22.1	26.6	- 8.0	- 21.2
Motor vehicles and equipment	14.0	15.6	18.7	- 10.6	- 25.4
Instruments and related products	5.8	5.8	5.7	.0	1.3
Nondurable Goods[f]	66.9	67.3	67.1	- .6	- .2
Food and kindred products	8.4	8.5	8.5	- .6	- 1.1
Bakery products	1.8	1.8	1.9	- 2.2	- 4.5
Beverages	1.6	1.6	1.7	- .4	- 3.7
Apparel and other textile products	5.6	5.7	5.7	- 1.4	- 1.2
Paper and allied products	5.1	5.1	5.3	- .7	- 2.8
Printing and publishing	15.5	15.5	15.0	.2	3.3
Chemicals and allied products	16.4	16.4	16.3	.2	.5
Industrial inorganic chemicals	5.1	5.0	4.9	.5	3.7
Rubber and misc. plastics products	10.0	10.4	10.6	- 3.1	- 5.1
NONMANUFACTURING[g]	650.8	649.2	653.5	.2	- .4
CONSTRUCTION	30.7	33.0	32.1	- 6.8	- 4.1
TRANSPORTATION AND PUBLIC UTILITIES	45.6	45.4	46.3	.5	- 1.6
Communication, electric, gas services	19.7	19.7	19.2	.1	2.8
WHOLESALE TRADE	62.2	62.2	63.5	.0	- 2.1
RETAIL TRADE	150.5	147.3	150.9	2.2	- .2
FINANCE, INSURANCE, AND REAL ESTATE	49.1	49.0	48.6	.3	.9
Banking	13.5	13.5	13.8	- .2	- 1.7
Insurance carriers	12.2	12.2	12.2	.0	.2
SERVICES	191.8	192.6	187.0	- .4	2.6
GOVERNMENT	119.5	118.4	123.7	.9	- 3.4
Federal government	19.8	19.4	20.4	2.3	- 2.9
State government (includes education)	7.7	7.7	8.6	.6	- 10.3
Local government	91.9	91.3	94.6	.7	- 2.8
Local government, except education	45.4	45.5	44.9	- .3	1.0
Local government education	46.6	45.8	49.7	1.7	- 6.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
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HOURS AND EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS ON CLEVELAND METROPOLITAN AREA[1] PAYROLLS, 1967

Industry	Average weekly earnings			Average weekly hours			Average hourly earnings		
	November 1967[p]	October 1967[r]	November 1966	Nov. 1967[p]	Oct. 1967[r]	Nov. 1966	Nov. 1967[p]	Oct. 1967[r]	Nov. 1966
MINING									
MANUFACTURING	$[illegible]	$[illegible]	$[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnaces and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sheet metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Meat products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dairy products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bakery products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Industrial inorganic chemicals	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and miscellaneous plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING									
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES									
Transportation, electric, gas and sanitary s.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[2]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE									
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Insurance carriers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOVERNMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Federal government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government (including education)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government, except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[1]Estimates in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. [2]Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [p]Preliminary. [r]Revised. [3]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [4]Includes tobacco manufactures, textile mill products; petroleum and coal products; leather and leather products. [5]Money payments only, tips not included. [6]Low due to labor-management disputes during part of pay period.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earning		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$363.37	$371.49	$334.41	40.6	40.9	40.4	$ 8.95	$ 8.93	$ 8.28
Durable Goods[d]	374.13	388.96	343.28	41.1	41.6	40.5	9.33	9.43	8.79
Stone, clay, and glass products	355.37	381.46	325.62	40.2	40.8	40.3	8.84	9.35	8.08
Fabricated metal products	417.20	429.61	409.91	39.5	40.0	40.3	10.49	10.56	10.53
Machinery, except electrical	398.97	396.75	377.22	43.3	41.0	41.0	8.99	8.75	8.10
Electric and electronic equipment	367.37	373.71	344.38	38.1	40.4	40.8	9.17	9.25	8.49
Transportation equipment	444.36	440.36	376.17	43.1	42.9	39.7	10.31	10.27	9.49
Nondurable Goods[e]	338.00	319.20	305.50	40.3	39.6	41.1	8.13	8.08	7.36
Food and kindred products	355.76	339.27	308.74	42.2	40.6	42.3	8.43	8.41	7.30
Printing and publishing	351.66	322.80	325.53	39.7	36.9	38.8	9.06	8.83	8.54
Chemicals and allied products	359.10	366.00	339.89	40.9	40.5	42.7	8.78	8.73	7.96
Rubber and misc. plastics products	281.50	285.77	269.29	40.1	41.0	41.9	7.02	6.97	6.52
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	466.83	469.66	414.78	37.8	38.0	37.3	12.39	12.59	11.12
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	435.11	434.37	404.42	40.9	40.9	41.1	10.59	10.59	9.84
WHOLESALE TRADE	294.79	293.59	282.66	39.3	39.4	39.1	7.50	7.45	7.12
RETAIL TRADE[f]	148.26	147.61	140.29	29.9	29.6	29.9	5.06	5.03	4.64
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	184.02	184.21	169.69	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [g]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	399.3	399.5	361.0	- .1	- .5
MANUFACTURING	99.6	100.2	99.5	- .6	.1
Durable Goods[e]	68.0	68.4	67.8	- .6	1.1
Stone, clay, and glass products	2.1	2.2	2.4	- 3.0	- 10.9
Fabricated metal products	7.1	7.1	7.0	- .1	.6
Machinery, except electrical	30.6	30.5	31.4	.2	- 2.7
Metalworking machinery	6.7	6.8	7.4	- 1.0	- 8.7
Electric and electronic equipment	9.8	9.8	7.8	- .3	24.6
Electrical industrial apparatus	3.4	3.6	3.8	- .1	- 3.7
Transportation equipment	12.5	12.8	12.6	- 2.2	- .8
Nondurable Goods[f]	31.6	31.8	32.3	- .4	- 2.0
Food and kindred products	3.6	3.6	3.7	.1	- 1.7
Paper and allied products	6.1	6.0	5.9	.9	2.9
Printing and publishing	9.3	9.3	9.6	.3	- 2.9
Rubber and misc. plastics products	8.7	9.0	9.2	- 2.5	- 5.3
NONMANUFACTURING[g]	299.7	299.4	261.4	.1	- .7
CONSTRUCTION	11.3	12.1	13.3	- 6.8	- 15.1
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.2	13.3	- 1.1	- 1.6
Communication, electric, gas services	6.5	6.5	6.6	- .2	- 1.9
WHOLESALE TRADE	15.3	15.2	15.5	.7	- 1.1
RETAIL TRADE	60.4	58.9	60.8	2.[illegible]	- .6
FINANCE, INSURANCE, AND REAL ESTATE	13.9	13.9	13.7	.[illegible]	1.4
SERVICES	75.6	76.0	74.0	- .4	2.2
GOVERNMENT	69.7	69.7	70.5	.0	- 1.2
Federal government	25.1	25.1	25.0	- .1	.3
State government (includes education)	5.8	5.9	6.1	- 1.3	- 5.2
Local government	38.8	38.7	39.4	.3	- 1.6
Local government, except education	13.4	13.5	14.2	- .4	- 5.7
Local government education	25.3	25.2	25.1	.6	.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on June 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$416.42	$415.49	$401.26	41.6	41.5	43.1	$10.01	$10.02	$ 9.31
Durable Goods[d]	417.92	419.00	394.55	41.9	41.9	43.5	9.96	10.00	9.07
Stone, clay, and glass products	378.58	412.98	339.21	39.6	42.4	38.9	9.56	9.74	8.72
Fabricated metal products	312.98	309.42	285.69	40.7	40.5	40.4	7.69	7.64	7.07
Machinery, except electrical	428.71	417.32	413.57	43.0	41.9	45.1	9.97	9.96	9.17
Metalworking machinery	424.76	415.47	421.33	43.7	42.7	46.3	9.72	9.73	9.10
Electric and electronic equipment	457.95	513.68	379.10	43.0	47.3	44.6	10.65	10.86	8.50
Electrical industrial apparatus	318.65	312.58	311.86	40.8	40.7	42.9	7.81	7.68	7.27
Transportation equipment	491.17	483.55	493.35	39.9	39.7	42.9	12.31	12.18	11.50
Nondurable Goods[e]	412.08	409.44	416.08	40.8	40.7	42.5	10.10	10.06	9.79
Food and kindred products	410.73	400.80	370.62	42.3	41.8	42.6	9.71	9.59	8.70
Paper and allied products	325.60	331.61	339.91	40.7	41.4	43.3	8.00	8.01	7.85
Printing and publishing	438.27	447.49	429.02	41.7	41.9	41.8	10.51	10.68	10.12
Rubber and misc. plastics products	504.27	487.26	522.97	39.8	39.2	43.4	12.67	12.43	12.05
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	493.40	502.98	493.02	38.1	38.9	39.6	12.95	12.93	12.45
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	414.63	414.40	414.12	40.1	40.0	42.0	10.34	10.36	9.86
WHOLESALE TRADE	286.47	285.42	266.50	41.1	40.6	41.0	6.97	7.03	6.50
RETAIL TRADE[f]	150.58	148.41	143.70	29.7	29.1	30.0	5.07	5.10	4.79
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	242.8	244.8	248.7	- .7	- 2.3
MANUFACTURING	71.8	73.5	77.1	- 2.4	- 6.9
Durable Goods[e]	55.7	57.5	59.6	- 3.1	- 6.5
Stone, clay, and glass products	13.2	13.3	13.3	- .9	- .3
Primary metal industries	4.2	4.4	4.5	- 4.6	- 8.1
Fabricated metal products	7.6	8.2	8.6	- 7.0	- 11.0
Metal forgings and stampings	3.2	3.6	4.0	- 12.0	- 20.8
Machinery, except electrical	6.9	7.2	7.4	- 3.6	- 6.6
General industrial machinery	2.1	2.2	2.3	- 1.5	- 7.5
Transportation equipment	15.1	15.2	17.2	- 1.0	- 12.3
Motor vehicles and equipment	13.8	14.0	15.7	- 1.1	- 11.9
Nondurable Goods[f]	16.0	16.0	17.5	.0	- 8.2
Food and kindred products	4.2	4.1	4.3	1.0	- 3.6
Petroleum and coal products	1.6	1.6	1.9	.0	- 15.4
Rubber and misc. plastics products	3.0	3.1	3.5	- 3.6	- 13.4
NONMANUFACTURING[g]	221.1	221.3	222.6	- .1	- .7
CONSTRUCTION	12.7	13.4	13.3	- 5.3	- 4.6
TRANSPORTATION AND PUBLIC UTILITIES	19.5	19.6	19.9	- .3	- 1.7
Communication, electric, gas services	7.8	7.8	7.6	.6	2.6
WHOLESALE TRADE	14.1	14.2	14.3	- .8	- 1.2
RETAIL TRADE	53.8	53.0	54.2	1.5	- .8
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.9	10.9	.5	.8
SERVICES	62.5	62.8	60.8	- .4	2.8
GOVERNMENT	46.9	46.8	48.8	.4	- 3.8
State government (includes education)	14.7	14.8	15.1	- .9	- 2.7
Local government	29.6	29.3	31.0	1.0	- 4.5
Local government, except education	10.6	10.6	11.5	.0	- 7.9
Local government education	19.0	18.7	19.4	1.6	- 2.5

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[A]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[B]	November 1981[C]	December 1980[C]	Dec. 1981[B]	Nov. 1981[C]	Dec. 1980[C]	Dec. 1981[B]	Nov. 1981[C]	Dec. 1980[C]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$423.72	$431.07	$398.65	41.5	40.7	41.7	$10.21	$10.10	$ 9.56
Durable Goods[D]	447.41	421.89	411.73	41.3	40.6	41.8	10.56	10.39	9.85
Stone, clay, and glass products	460.43	471.8	410.43	41.7	41.1	42.4	10.75	10.51	9.68
Primary metal industries	428.71	442.11	406.26	43.4	41.2	44.4	9.88	9.76	9.15
Fabricated metal products	362.70	358.80	340.34	40.7	39.4	42.0	9.00	9.08	9.07
Metal forgings and stampings	419.00	420.09	447.72	38.1	39.0	43.3	10.98	10.77	10.34
Machinery, except electrical	430.9	434.56	402.90	41.5	41.9	42.5	10.39	10.39	9.48
General industrial machinery	428.16	431.27	414.80	38.3	39.1	42.6	11.18	11.03	10.56
Transportation equipment	521.58	540.62	469.80	42.3	40.8	41.4	12.30	12.27	11.35
Motor vehicles and equipment	502.74	540.81	475.96	40.4	40.7	41.3	12.33	12.30	11.51
Nondurable Goods[E]	373.11	360.61	358.85	41.3	41.1	41.6	9.01	9.00	8.53
Food and kindred products	384.49	385.35	367.20	42.3	42.3	42.5	9.10	9.11	8.64
Petroleum and coal products	575.91	611.31	565.14	44.5	46.1	44.8	12.93	13.26	12.26
Rubber and misc. plastics products	308.01	314.21	296.19	40.3	41.3	40.4	8.01	7.85	7.33
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	484.19	507.67	423.27	37.5	39.6	37.3	16.11	15.51	14.27
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	434.9	445.76	403.63	40.4	41.3	41.1	10.64	10.89	9.82
WHOLESALE TRADE	390.6	395.97	344.10	39.1	38.9	38.8	8.45	8.37	7.58
RETAIL TRADE[F]	161.10	155.4	150.28	30.3	29.8	29.8	5.37	5.43	5.11
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[A]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [B]Preliminary. [C]Revised. [D]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [E]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [F]Money payments only, tips not included. [G]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[A]
DECEMBER 1981

Industry	Employment (in thousands)			Percent change from	
	December 1981[B]	November 1981[C]	December 1980[D]	November 1981	December 1980
TOTAL	193.4	201.7	199.1	- 4.1	- 2.9
MANUFACTURING	60.1	68.1	65.2	- 11.8	- 7.9
Durable Goods[E]	54.3	62.2	59.6	- 12.7	- 8.8
Stone, clay, and glass products	1.8	2.0	1.7	- 8.6	3.1
Primary metal industries	28.8	28.9	30.5	- .4	- 5.8
Blast furnace and basic steel products	15.0	15.0	15.1	- .3	- .8
Fabricated metal products	8.4	8.8	8.7	- 4.6	- 3.2
Fabricated structural metal products	2.7	2.6	2.8	3.6	- 3.3
Machinery, except electrical	5.7	5.7	6.4	- .1	- 10.9
Metalworking machinery	2.3	2.3	2.9	- .1	- 19.9
Electric and electronic equipment	3.1	3.1	3.1	.0	- .3
Transportation equipment	4.7	11.9	7.1	- 60.4	- 33.9
Nondurable Goods[F]	5.7	5.9	5.6	- 2.9	2.2
NONMANUFACTURING[G]	133.3	133.6	133.9	- .2	- .5
CONSTRUCTION	6.5	7.0	7.2	- 7.0	- 9.1
TRANSPORTATION AND PUBLIC UTILITIES	9.3	9.3	9.1	.7	2.1
Communication, electric, gas services	3.3	3.3	3.3	.1	1.2
WHOLESALE TRADE	7.7	7.7	7.9	.4	- 1.5
RETAIL TRADE	37.2	36.8	37.9	1.1	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.1	.6	2.2
SERVICES	38.7	39.1	37.6	- .5	3.1
GOVERNMENT	25.3	26.0	26.6	- .5	- 2.8
Local government (includes education)	20.2	20.3	20.9	- .7	- 3.3

[A]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. [B]Based on June 1980 benchmark. [C]Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [D]Preliminary. [E]Revised. [F]Based on unrounded figures. [G]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [H]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [I]Includes mining. [J]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43215

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$459.36	$471.06	$460.54	39.6	40.4	41.7	$11.60	$11.66	$11.26
Durable Goods[d]	470.84	481.59	483.63	39.5	40.3	41.8	11.92	11.95	11.57
Stone, clay, and glass products	309.16	306.94	271.74	37.8	39.2	35.2	8.02	7.83	7.72
Primary metal industries	510.65	505.31	521.14	39.1	38.9	42.3	13.06	12.99	12.32
Blast furnace and basic steel products	552.83	546.80	518.75	40.5	40.0	41.5	13.65	13.67	12.50
Fabricated metal products	459.12	461.76	513.34	41.7	40.9	43.8	11.01	11.29	11.72
Fabricated structural metal products	334.95	327.46	298.68	40.6	39.5	38.0	8.25	8.29	7.86
Machinery, except electrical	472.15	470.60	444.11	41.2	41.1	40.3	11.46	11.45	11.02
Metalworking machinery	497.25	495.29	517.44	42.5	42.4	44.0	11.70	11.68	11.76
Electric and electronic equipment	327.35	348.17	303.40	37.8	39.7	38.6	8.66	8.77	7.86
Transportation equipment	472.36	529.91	495.33	39.2	43.4	42.3	12.05	12.21	11.71
Nondurable Goods[e]	327.58	334.15	302.47	39.9	41.0	40.6	8.21	8.15	7.45
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	528.13	536.42	532.90	37.0	37.2	38.7	14.29	14.42	13.77
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	431.96	439.19	402.69	42.6	43.1	43.3	10.14	10.19	9.30
WHOLESALE TRADE	332.88	341.47	301.78	40.3	40.7	39.5	8.26	8.39	7.64
RETAIL TRADE[f]	158.17	155.93	150.12	30.3	29.7	30.7	5.22	5.25	4.89
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
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Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

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Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
JANUARY 1982

Unemployment in Ohio totaled 598,000 in January, representing 11.9 percent of the civilian labor force. Total employment was estimated at 4,434,000. Seasonal curtailments in several nonmanufacturing industries lowered nonfarm payroll employment 2.5 percent from December, to 4,193,000.

Employment in Ohio's manufacturing industries slipped .3 percent from December, to 1,170,000 in January. Producers of automotive components--stamped-metal and plastic parts, hardware, and wire--reported layoffs due to lack of orders. Declining demands also lowered employment in metalworking and industrial machinery, household furniture, and meat processing. Producers of ready-mixed concrete reported seasonal layoffs. Recalls, however, lifted employment in motor vehicles, automotive castings, and household appliances.

Nonmanufacturing employment in Ohio totaled 3,023,000 in January, down 3.3 percent from the previous month. Retailing was responsible for much of the decrease, as department, apparel, and variety stores released temporary personnel. Construction and other outdoor activities were hampered by snow and frigid temperatures. Seasonal layoffs in motor freight lowered transportation. Educational services, public and private, also dipped seasonally.

Average weekly earnings of Ohio's factory production workers dropped nearly $8 from the record November-December level to $390.46 in January. The average workweek dipped below 40 hours for the first time since July 1980--39.6 hours, down 1.2 hours from December. Overtime curtailments lowered weekly earnings in the production of machinery, communication equipment, aircraft components, and plastic products. Manufacturers of motor vehicles and suppliers of automotive stampings and hardware reported shorter production schedules. Producers of structural clay products curtailed activities due to unfavorable weather. Stepped-up overtime, on the other hand, substantially boosted earnings in petroleum refining.

Widespread job losses in manufacturing, coupled with cutbacks in construction, retailing, and government, lowered nonfarm payroll employment 1.6 percent--nearly 70,000 jobs--between January 1981 and January 1982. Durable-goods producers accounted for much of the decline in factory employment, with heaviest losses in primary metals, nonelectrical machinery, and metal fabrication. Nonmanufacturing slipped .3 percent over the year, as growth in services moderated employment declines. Factory production workers averaged $13.50 more per week in January 1982 than in January of last year, although their average workweek was an hour-and-a-half shorter.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

PLOYMENT IS OUR MOST IMPORTANT PRODUCT

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm establishments in Akron employed 252,300 in January, down 8,400 from December. Most of the decrease occurred in nonmanufacturing industries, due to seasonal declines in retailing, education, and construction. Widespread losses lowered manufacturing 800, to 75,500 for the month. The average workweek for factory production workers, at 40.7 hours, was down 1.7 hours from December. Their average hourly earnings were little changed at $9.70 in January.

Canton.--Canton's nonagricultural wage and salary employment totaled 152,800 in January, down 4,200 from December. Manufacturing dropped 1,200, to 52,800 for the month, due primarily to automotive-related cutbacks. Seasonal losses in retail trade and construction lowered nonmanufacturing. Production workers in manufacturing industries grossed $10.02 per hour for a workweek of 39.5 hours, down 7¢ and .7 hours, respectively, from December averages.

Cincinnati.--Nonfarm payroll employment in the Cincinnati area decreased 19,400 from December, to 576,800 in January. Nonmanufacturing accounted for over three-fourths of the loss, as retailing, construction, and service industries decreased seasonally. Widespread layoffs lowered manufacturing to 152,400 in January, down 4,300 from December. The average workweek of factory production workers was down one hour, to 40.1 hours for the month. Their hourly earnings rose 5¢, to $9.17 in January.

Cleveland.--Nonagricultural establishments in the Cleveland area employed 857,300 wage and salary workers in January, down 18,300 from December. Seasonal shrinkage in nonmanufacturing was responsible for the decline. Manufacturing advanced 2,400, to 239,300 in January, due to recalls of foundry and automotive assembly workers. The workweek for the average factory production worker, at 39.6 hours, was down 1.2 hours, although average hourly earnings, at $9.83, were up 13¢ from December.

Columbus.--January nonfarm payroll employment in Columbus totaled 499,700, down 15,000 from December. Manufacturing slipped 800, to 91,100 for the month. Seasonal factors largely accounted for declines among most nonmanufacturing industries. The workweek for the average factory production worker, at 39.5 hours, was down .9 hours. Average hourly earnings, at $8.96, were little changed from December.

Dayton.--Workers on nonfarm payrolls in Dayton numbered 348,200 in January, down 7,900 from December. Nonmanufacturing accounted for most of the loss, due chiefly to seasonal declines in retailing and construction. Decreases in durable goods lowered manufacturing, down 1,000, to 95,700 for the month. Production workers in factories grossed $10.00 per hour, down 3¢ from December. The average workweek, at 39.8 hours, was 1.3 hours shorter.

Toledo.--Toledo's nonagricultural wage and salary employment dropped 9,000 from December, to 281,800 in January. Manufacturing decreased 1,500 for the month, to 68,600, due chiefly to employment losses in durable-goods production. Seasonal layoffs in most component industries lowered nonmanufacturing. The workweek and hourly earnings of the average factory production worker, at 40.0 hours and $10.48 an hour, were down 1.3 hours and up 8¢, respectively, from December.

Youngstown-Warren.--Nonfarm employment in the Youngstown-Warren area totaled 192,200 in January, down 1,000 from December. Nonmanufacturing employment shrank seasonally. Manufacturing, however, rose by 3,700, to 63,500 in January, as recalls of furloughed auto workers more than offset layoffs in primary metals. Earnings of factory production workers rose 9¢, to $11.63 an hour. Average weekly hours, at 39.5, were up .4 hours from December.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 2-18-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	156.1	591.	1[illegible]	4[illegible]	317.8	3[illegible]	198.1
1972	248.1	159.8	61[illegible]	9[illegible]	4[illegible]	325.[illegible]	27[illegible]	201.3
1973	255.1	167.9	6[illegible]	9[illegible]	4[illegible]	335.[illegible]	3[illegible]	211.6
1974	259.0	170.1	642.3	9[illegible]	4[illegible]	334.3	3[illegible]	218.5
1975	240.4	149.0	591.[illegible]	9[illegible]	4[illegible]	321.4	27[illegible]	200.7
1976	247.3	145.4	5[illegible]	9[illegible]	4[illegible]	331.[illegible]	3[illegible]	205.5
1977	259.2	143.8	6[illegible]	9[illegible]	4[illegible]	343.1	3[illegible]	206.2
1978	266.6	146.1	6[illegible]	9[illegible]	4[illegible]	356.5	3[illegible]	211.3
1979	270.4	150.7	6[illegible]	9[illegible]	4[illegible]	364.[illegible]	3[illegible]	214.4
1980	262.4	147.1	6[illegible]	9[illegible]	4[illegible]	35[illegible]	3[illegible]	200.1
1981	259.0	141.9	6[illegible]	9[illegible]	4[illegible]	350.1	3[illegible]	179.2
1981								
January .	262.0	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
February.	264.6	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
March ...	26[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
April ...	25[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
May	262.[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
June	259.[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
July	247.1	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
August ..	251.[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
September	262.[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
October .	262.[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
November.	261.1	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
December.	260.[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
1982								
January .	250.[illegible]	1[illegible]	6[illegible]	9[illegible]	4[illegible]	3[illegible]	3[illegible]	19[illegible]
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	81.[illegible]	5[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1972	81.[illegible]	5[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1973	84.[illegible]	6[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1974	84.[illegible]	6[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1975	84.5	6[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1976	90.[illegible]	6[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1977	96.[illegible]	6[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1978	98.[illegible]	6[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1979	95.6	5[illegible]	1[illegible]	2[illegible]	6[illegible]	1[illegible]	9[illegible]	9[illegible]
1980	79.2	4[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	7[illegible]
1981	75.9	4[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
1981								
January .	76.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
February.	75.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
March ...	76.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
April ...	76.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
May	76.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
June	77.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
July	75.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
August ..	75.5	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
September	76.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
October .	76.1	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
November.	74.[illegible]	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
December.	74.3	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	7[illegible]	6[illegible]
1982								
January .	73.5	5[illegible]	1[illegible]	1[illegible]	5[illegible]	1[illegible]	6[illegible]	6[illegible]

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.1	49.2	111.5	199.4	68.8	82.3	66.6	92.6
1972	53.[illegible]	48.2	110.7	198.[illegible]	71.0	83.4	63.8	102.2
1973	56.5	46.3	113.0	200.4	74.1	85.0	67.5	75.6
1974	56.2	48.3	115.3	197.6	71.2	77.5	68.1	94.2
1975	48.4	48.5	104.3	176.[illegible]	64.2	72.9	55.1	73.3
1976	44.5	48.4	107.8	180.3	65.4	73.4	59.3	78.3
1977	49.2	51.1	113.7	184.0	68.8	75.7	62.8	82.[illegible]
1978	49.4	52.2	116.4	186.[illegible]	70.1	77.5	64.1	[illegible]
1979	53.8	53.2	117.7	188.[illegible]	70.1	74.4	61.[illegible]	[illegible]
1980	47.5	50.1	114.[illegible]	170.[illegible]	64.6	66.5	50.6	69.[illegible]
1981	49.7	49.5	114.7	166.3	62.6	64.4	48.8	61.1
1981								
January .	44.1	50.3	108.0	166.[illegible]	66.4	64.3	48.6	66.3
February.	44.[illegible]	50.[illegible]	108.7	169.1	61.3	63.4	48.2	65.6
March ...	46.3	50.1	110.1	171.[illegible]	62.0	64.5	48.1	64.[illegible]
April ...	45.1	50.0	104.[illegible]	163.[illegible]	61.4	64.[illegible]	47.[illegible]	62.[illegible]
May	44.[illegible]	49.[illegible]	104.6	162.[illegible]	59.[illegible]	64.3	47.3	59.3
June	45.1	49.0	102.[illegible]	160.[illegible]	59.4	64.3	46.5	58.3
July	43.5	49.0	103.6	164.[illegible]	61.4	64.3	46.[illegible]	62.[illegible]
August ..	42.[illegible]	47.[illegible]	99.[illegible]	161.[illegible]	61.1	63.5	45.0	62.[illegible]
September	44.[illegible]	48.[illegible]	105.9	170.[illegible]	62.3	65.4	46.7	64.[illegible]
October .	43.3	48.4	106.3	172.[illegible]	61.4	64.8	45.[illegible]	62.3
November.	41.3	49.4	104.6	169.[illegible]	61.1	64.5	43.1	61.[illegible]
December.	41.4	49.3	102.[illegible]	159.[illegible]	60.1	63.4	43.[illegible]	59.[illegible]
1982								
January .	40.6	47.1	99.[illegible]	153.[illegible]	59.4	62.5	44.1	57.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	39.[illegible]	41.[illegible]	41.[illegible]	39.[illegible]	40.6	41.4	41.[illegible]
1972	42.1	41.[illegible]	41.3	42.[illegible]	40.[illegible]	42.1	42.[illegible]	42.[illegible]
1973	43.[illegible]	41.[illegible]	42.[illegible]	43.[illegible]	42.[illegible]	43.[illegible]	43.1	43.[illegible]
1974	40.9	40.1	41.4	42.1	39.7	41.[illegible]	41.[illegible]	41.[illegible]
1975	41.1	39.4	40.6	41.[illegible]	39.[illegible]	41.3	40.4	41.[illegible]
1976	42.1	40.[illegible]	41.3	42.1	40.1	43.3	41.5	43.[illegible]
1977	42.3	39.7	41.[illegible]	42.[illegible]	40.3	42.5	42.[illegible]	43.[illegible]
1978	42.3	40.3	41.1	42.[illegible]	40.4	42.6	42.[illegible]	43.[illegible]
1979	41.6	40.3	41.5	42.[illegible]	40.1	40.1	41.[illegible]	40.7
1980	41.5	39.[illegible]	41.2	41.[illegible]	39.5	41.5	39.[illegible]	39.[illegible]
1981	41.[illegible]	40.0	41.1	41.[illegible]	39.[illegible]	41.6	40.[illegible]	40.[illegible]
1981								
January .	42.0	39.7	41.7	41.[illegible]	40.1	41.7	40.8	41.[illegible]
February.	41.5	40.0	41.[illegible]	41.[illegible]	39.7	41.[illegible]	40.1	41.[illegible]
March ...	41.9	40.3	41.1	41.[illegible]	39.[illegible]	41.4	41.[illegible]	40.[illegible]
April ...	42.1	40.0	40.8	41.[illegible]	39.[illegible]	40.[illegible]	40.[illegible]	41.[illegible]
May	42.4	40.1	41.[illegible]	41.6	39.[illegible]	41.[illegible]	41.2	40.[illegible]
June	42.4	40.4	41.9	42.1	39.[illegible]	42.5	41.3	41.[illegible]
July	41.[illegible]	39.[illegible]	40.[illegible]	40.7	39.[illegible]	41.[illegible]	40.[illegible]	40.[illegible]
August ..	41.7	39.6	40.6	41.[illegible]	40.[illegible]	41.[illegible]	40.[illegible]	41.[illegible]
September	40.[illegible]	40.1	41.[illegible]	41.[illegible]	40.[illegible]	40.1	41.[illegible]	41.6
October .	41.2	39.7	40.7	40.[illegible]	39.[illegible]	41.3	41.1	39.9
November.	41.5	39.[illegible]	41.[illegible]	40.[illegible]	40.3	41.5	40.7	40.4
December.	42.4	40.2	41.1	40.[illegible]	40.4	41.1	41.3	39.1
1982								
January .	40.7	39.5	40.1	39.6	39.5	39.8	40.0	39.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Youngstown-Warren includes Mahoning and Trumbull Counties. [j]Not comparable to prior data due to change in sample composition.

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